

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 62326 - L2 Version 4

Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

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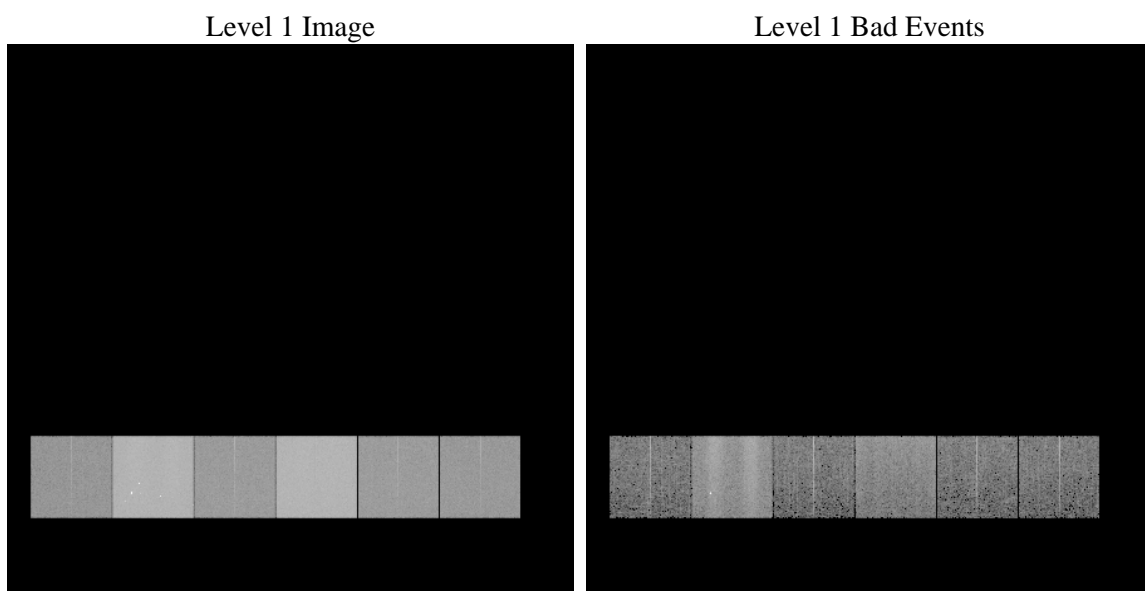
# 1 Front

seq_num	&#160	Sequence number
obs_id	62326	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	170.06641944135	Nominal RA
dec_nom	50.038322120397	Nominal Dec
roll_nom	47.475790284969	Nominal Roll
revision	4	Processing version of data
ontime	3987.4260657951	Sum of GTIs [s]
livetime	3936.9348760103	Livetime [s]
ontime4	1448.7435959503	Sum of GTIs [s]
ontime5	4252.2306523025	Sum of GTIs [s]
ontime6	1665.8931666613	Sum of GTIs [s]
ontime7	3987.4260657951	Sum of GTIs [s]
ontime8	1682.0983666927	Sum of GTIs [s]
ontime9	1584.8673061505	Sum of GTIs [s]
l2events	1277603	Number of level 2 events

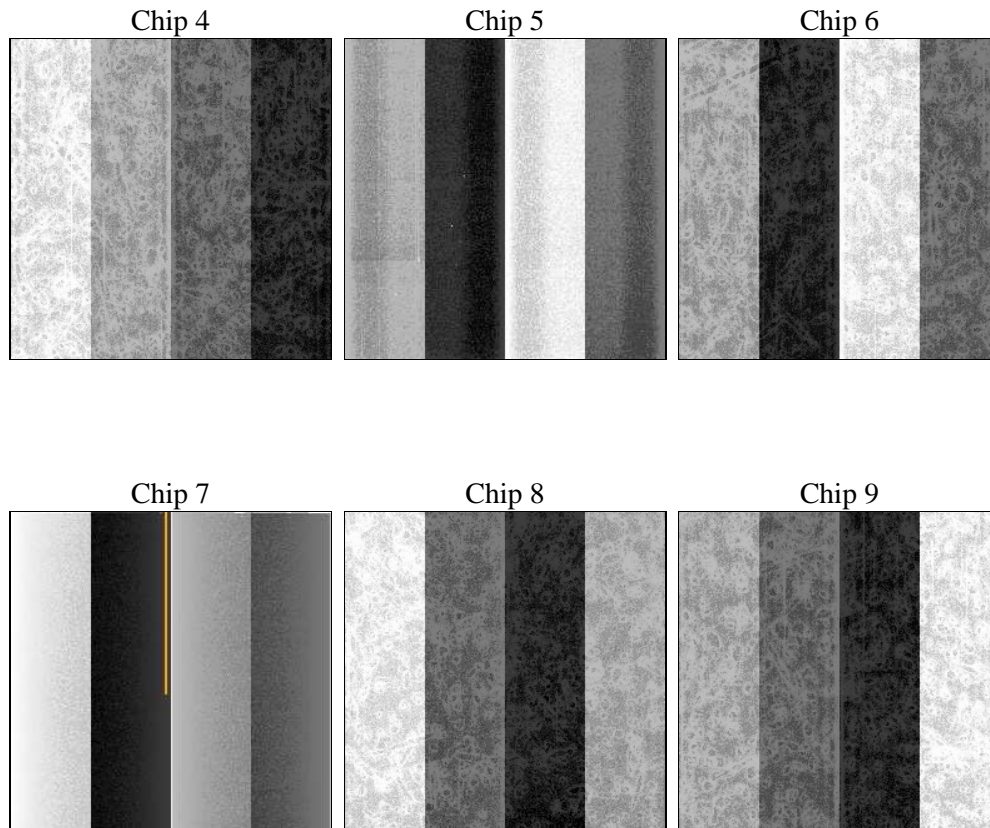
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.1.1	ASCDS version number	sched_exp_time	0.0
caldsver	4.1.4	&#160		
date	2009-11-21T12:43:43	Date and time of file creation	ontime	3987.4260657951
revision	3	Processing version of data	ontime4	1448.7435959503
			ontime5	4252.2306523025
			ontime6	1665.8931666613
			ontime7	3987.4260657951
			ontime8	1682.0983666927
			ontime9	1584.8673061505
			l1events	1519667

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	147465	418614	179281	426607	182497	165203	grade 0 events	28630	37988	42534	71484	55667	44377
rejected events	26450	72978	27459	44881	27052	25626		19%	9%	23%	16%	30%	26%
rejected %	17%	17%	15%	10%	14%	15%	grade 1 events	128	208	174	171	236	194
								0%	0%	0%	0%	0%	0%
							grade 2 events	65654	135510	71778	107344	61725	61048
								44%	32%	40%	25%	33%	36%
							grade 3 events	2892	17700	4367	33279	5912	4639
								1%	4%	2%	7%	3%	2%
							grade 4 events	2803	15424	4378	30241	5878	4745
								1%	3%	2%	7%	3%	2%
							grade 5 events	1273	7291	1542	6052	1627	1419
								0%	1%	0%	1%	0%	0%
							grade 6 events	22590	142254	29962	143091	27683	26354
								15%	33%	16%	33%	15%	15%
							grade 7 events	23495	62239	24546	34945	23769	22427
								15%	14%	13%	8%	13%	13%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	170.0664194413501	Alternating exposures requested	N	N
Pointing Dec	0	50.03832212039701	Primary exposure time	3.2	3.2
Pointing Roll	0.0	47.47579028496919			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	58063625.047704	58063624.279231			
Observation start date	1999-11-04T00:47:05	1999-11-04T00:47:04			
Observation end time	58073426.098058	58073425.329585			
Observation end date	1999-11-04T03:30:26	1999-11-04T03:30:25			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9874260657951

## A.2 Comments

This observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period. This reprocessing of the data applies no CTI correction because none is available for that temperature.